CI	_ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Great Lakes Fishery Commission	Sets	Annual Commerical Fish Production from 1867 to 2000, Gill Net Catches of Lake Trout at variety of locations from 1929 to 1937	Great Lakes	1867 to 2000	Aug-02	http://www.qlfc.org/pubs_out/historical.asp
		Environment Canada	St. Lawrence River	Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years.	St. Lawrence River, Canada	2000-2003		http://www.qc.ec.qc.ca/faune/biodiv/en/ table_contents.html
G		NOAA - GLERL	Benthic Populations	Continuing project that monitors trends in benthic macroinvertebrate populations in southern Lake Michigan. Samples collected at 40 sites in the southern basin.		1986-1987, 1992-1993, 1998-1999, 2000, 2002?	2002?	Tom Nelepa thomas.nalepa@noaa.gov http://www.glerl.noaa.gov/res/Task_rpt s/cmnalepa13-2.html
e a t L a	Open Lake	US Dept of the Interior - Fish and Wildlife Service National Fisheries Research Center; University of Michigan - Center for Great Lakes and Aquatic Sciences	Remote Reefs and Shoals in	Distribution of detritus and periphyton on the lakebed in east-central Lake Superior	East-Central Lake Superior	1985 (August)	N/A	http://iglr.org/1991/num3/17 3 412- 418.pdf
k e s		Lake Huron Technical Committee	,	Although the primary objective of this project is to integrate data from across the basin into a common database to provide an inventory of basin-wide aquatic resources, many new layers and tools are also being developed to ensure that the decision support system is a powerful tool for analysis of wholesystem responses to management alternatives.		n 1999 - Present Constantly Up	Constantly Updated	http://www.glfc.org/LakeHuronGis/
	Ri Ui (ft	Natural Resources Research Institute, Univerisity of Minnesota (funded by U.S. EPA and MN DNR)	Support System Data Sets	Collection of GIS applications and databases, including forest types and land cover	Lake Superior basin		18-Jan-02	http://oden.nrri.umn.edu/lsqis/database s.htm

Cl	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
G reat La	Open Lake	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multijurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.		1974-2003	continuous	http://www.natureserve.org/getData/index.isp
k e s		EPA - GLNPO	Biological Open Water Surveillance Program of the Laurentian Great Lakes	Dominant phytoplankton species by biovolume (lakewide averages)	Lake Huron, Lake Ontario, Lake Michigan, Lake Erie, Lake Superior	1998 (spring and summer) Other Years May Be Avail.	N/A	http://www.epa.gov/glnpo/monitoring/pl ankton/zooannrpt98/REPORT.pdf
		EPA - GLNPO and SUNY at Brockport	Epilimnetic Phytoplankton and Zooplankton Biomass and Species Composition (Lake Michigan)	Common phytoplankton species occurrence in Lake Michigan	Lake Michigan	1983-1992	N/A	http://www.epa.gov/glnpo/monitoring/pl ankton/mich83-92/index.html
			Epilimnetic Phytoplankton and Zooplankton Biomass and Species Composition (Lake Ontario)	Common phytoplankton species occurrence in Lake Ontario	Lake Ontario	1986-1992	N/A	http://www.epa.gov/glnpo/monitoring/pl ankton/ont86-92/index.html
		NOAA - GLERL	Temporal and Spatial Distributions of Microcystis blooms in Saginaw Bay and Lake Erie	Water samples were collected on Saginaw Bay during Microcystis bloom for ground truth in the development of a satellite derived Microcystis map product.	Saginaw Bay, Lake Huron	1999	N/A	George Leshkevich george.leshkevich@noaa.gov http://www.glerl.noaa.gov/res/Task_rpt s/cmleshk03-3.html

CL	ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		The Nature Conservancy: Freshwater Initiative	Indicators of Hydrologic Alterations	a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	1997 - present	N/A	http://www.freshwaters.org/eswm/iha/
		NOAA - Fisheries	Commercial Catch (COMCAT)	Daily fishing records for US waters of the Great Lakes.	USA	1971-present	continuous	http://www.st.nmfs.gov/st1/commercial/
Great Lakes		USGS - Great Lakes Science Center	Research Vessel Catch (RVCAT)	Contains trawl and gillnet data including total catch, length frequency, individual fish (length, weight, sex, age, prey, etc.). This database contains a log of vessel activities during routine assessments on the waters of the five Great Lakes. The purpose of the database is to provide information on research and monitoring of fish population dynamics and to supply information to managers and scientists.	All Great Lakes	1954-present	continuous	Scott Nelson scott_nelson@usgs.gov (734) 214-7243
		USGS - Great Lakes Science Center (with the help of OMNR, MDEQ, FWS and CORA)	Coded Wire Tag	Contains the history of captured coded wire tag lake trout.	Lake Huron	1985-present	continuous	Scott Nelson scott_nelson@usgs.gov (734) 214-7243
	U. Sc	USGS - Great Lakes Science Center	Lake Erie Ecological Investigations	Contains data from a study done on Lake Erie tributaries demonstrating the linkage between sediment contaminants and fish health, fish communities and invertebrate communities.	Lake Erie	1980s - 1990s	N/A	http://www.glsc.usgs.gov/LEEI.htm Scott Nelson scott_nelson@usgs.gov (734) 214-7243
		USGS - Great Lakes Science Center	Contaminant Chemistry	Contains fish tissue archive and organic pesticide and PCB results since the early '70s. Also contains some contaminant sediment data.	All Great Lakes	1970s - Present	?	Scott Nelson scott_nelson@usgs.gov (734) 214-7243

C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		USGS - Great Lakes Science Center		Small mesh gillnet captures of Cisco (chubs) from Lake Superior, contributed by MN DNR, WI DNR, MI DNR, Kewanaw Bay & Redcliff tribes & CORA)	All Great Lakes	?		Scott Nelson scott_nelson@usgs.gov (734) 214-7243
		USGS - Great Lakes Science Center		Lake Superior returns of several predator species contributed by all agencies in Cisco database plus OMNR	Lake Superior	?		Scott Nelson scott_nelson@usgs.gov (734) 214-7243
		USGS - Great Lakes Science Center	Card Image Data	Various collections of benthic invertebrates, Hexagenia, macrophytes, etc.	All Great Lakes	1960s - 1980s	continuous	Scott Nelson scott_nelson@usgs.gov (734) 214-7243
G		USGS - Great Lakes Science Center	, ,	To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.glsc.usgs.gov/GLGAP.htm
e a		OH DNR	Sediment cores	Core samples were taken from the Ohio waters.	Lake Erie	1970s - 1980s	?	
t	Open Lake	OH DNR	,	Sonar readings of the bottom of Lake Erie	Lake Erie	1990s	?	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
L a		OH DNR	Lake Trawling	?	Lake Erie	?	?	Jonathan Fuller jonathan.fuller@dnr.state.oh.us Jonathan Fuller jonathan.fuller@dnr.state.oh.us Jeff Tyson jeff.tyson@dnr.state.oh.us Scott Nelson scott nelson@usgs.gov
k e		USGS - Great Lakes Science Center	Past to Present Fisheries Data	Catalogue of fish populations. Soon to be online.	All Great Lakes	1960 - present		scott_nelson@usgs.gov (734) 214-7243
s		US FWS, OMNR, USGS, WI DNR, OH DNR, MI DNR, NY DEC & several universities		Provides information and a network of links to lake sturgeon (Acipenser fulvescens) research conducted by a number of U.S. and Canadian agencies and universities in the Great Lakes region of North America	All Great Lakes	?	?	http://midwest.fws.gov/sturgeon/index.html
		US FWS & E.C.		To develop a GIS database and software for use in research and management of Great Lakes fisheries resources. And, develop a common Great Lakes GIS database, develop pilot projects, and train Great Lakes DNR researchers and managers how to use the system so they can utilize it in their daily work.		1980-1998	?	?

C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		US FWS	Lake Trout Population Assesment	Data on abundance, spawning and effects of lamprey	Lake Huron	1995-present	continuous	http://midwest.fws.gov/alpena/laketrout .htm
G		Environment Canada & U.S. EPA	Lakewide Management Plans (LaMP)	Lakewide Management Plans (LaMPs) identify critical pollutants that impair beneficial uses and develop recommendations, strategies, and policy options to restore these beneficial uses. LaMPs also develop ecosystem objectives for the lakes as the state of knowledge permits and provide a binational structure for addressing environmental and natural resource issues, coordinating research, pooling resources, and making joint commitments to improve the environmental quality of the Great	All Great Lakes	1987-present	continuous	http://www.epa.gov/glnpo/gl2000/lamps
e a t L a k e s	Open Lake	Environment Canada		The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.	Canada	1992-2002	N/A	http://www.ecologeris.com/details/ont/
		U.S. EPA - GLNPO	Water Surveillance Program of the Laurentian Great Lakes 1998	This monitoring is intended to fulfill the provisions of the Great Lakes Water Quality Agreement calling for periodic monitoring of the lakes to: 1) assess compliance with jurisdictional control requirements; 2) provide information on nonachievement of agreed upon water quality objectives; 3) evaluate water quality trends over time; and 4) identify emerging problems in the Great Lakes Basin Ecosystem.	All Great Lakes	1938-1998	2000	http://www.epa.gov/glnpo/monitoring/pl ankton/zooannrpt98/REPORT.pdf

С	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		USGS	NAWQA Program - Lake Erie - Lake St. Clair Basin Study Unit	Biological data includes: algae data, fish community data, fish tissue quality data, freshwater mussel data, habitat data, intensive ecological assessment, macroinvertebrate community data, and streambed sediment quality	Lake Erie and Lake St. Clair	1994-present	1998	http://oh.water.usgs.qov/nawqa/
O		Ohio Sea Grant	New Research Suggests Zebra Mussels have Minor Effect on Lake Erie's Microbenthic Community	The microbenthic community, composed of non-harmful bacteria and benthic fungi, is one of the least studied communities of the Great Lakes. These organisms, many of which reach 10 to 100 million cells per gram of sediment, are responsible for many of the lake's key ecosystem functions. Significant components of the phosphorus, nitrogen, and carbon biogeochemical cycles, for example, are all performed by these organisms.	Lake Erie	2000	N/A	Robert Heath rheath@kent.edu Jill Jentes jentes.1@osu.edu http://www.sg.ohio- state.edu/publications/releases/Aug-4- 00.html
r e		The Nature Conservancy: Freshwater Initiative	Freshwater GIS database	GIS database and classification of freshwater ecological systems and macrohabitats	National	N/A	N/A	Jonathan Higgins, The Nature Conservancy, Chicago Office
a t Lakes		The Nature Conservancy: Freshwater Initiative	Indicators of Hydrologic Alterations	a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	1997 - present	N/A	Robert Heath rheath@kent.edu Jill Jentes jentes.1@osu.edu http://www.sq.ohio- state.edu/publications/releases/Auq-4 00.html Jonathan Higgins, The Nature Conservancy, Chicago Office http://www.freshwaters.org/eswm/iha
		U.S. EPA - GLNPO	Benthic Invertebrate Biomonitoring	Benthic invertebrates are longer lived than most planktonic organisms, and thus can integrate the effects of environmental conditions over longer periods of time. Additionally, they are relatively sedentary and are therefore easier to sample than nektonic organisms, such as fish. Many benthic invertebrates are detritivores, feeding on organic material produced in the pelagic zone. These organisms are often important components of fish diets, and thus provide an important link between pelagic production and higher trophic levels.	All Great Lakes	1997-present	N/A	http://www.epa.gov/glnpo/monitoring/in dicators/benthic97/paper.htm

		AGENCY OF	DATA SET/	PURPOSE/	GEOGRAPHICAL	TIME	LAST	ACCESS TO DATA/INFO
С	LASSIFICATION	COLLECTION	INFORMATION BASE	DESCRIPTION	DOMAIN	PERIOD	UPDATED	(OR KEY CONTACT)
		i)C	International Lake Ontario - St. Lawrence River Study (LOSL)	To consider, develop, evaluate and recommend updates and changes to the 1956 criteria for Lake Ontario St. Lawrence River water levels and flow regulation, taking into account how water level fluctuations affect all interests and changing conditions in the system including climate change, all within the terms of the Boundary Waters	Lawrence River	1999-2004	Nov. 2002	http://www.losl.org/about/about-e.html
G r e a t	Connecting Waterways and the St. Lawrence	GLC	Environmental Monitoring Inventory for the Lake St. Clair Basin	to develop an inventory of monitoring programs in the Lake St. Clair basin. The Lake St. Clair monitoring inventory will provide a much-needed mechanism for information sharing throughout the region.	Lake St. Clair, St. Clair River, Detroit River	2002-present	continuous	http://mapserver.glc.org/website/lkstcla ir/search.htm#overview
L a	River	University of Montreal, Dept of Biology; Environment Canada	Periphyton in the St. Lawrence River: A 20-Year Overview	Comparison of common algal species at three sites in the St. Lawrence River	St. Lawrence River, Quebec, Canada	1973, 1982, 1994-1995	N/A	http://iglr.org/1998/num1/24_1_105- 117.pdf
k e s		USGS	NAWQA Program - Lake Erie - Lake St. Clair Basin Study Unit	Biological data includes: algae data, fish community data, fish tissue quality data, freshwater mussel data, habitat data, intensive ecological assessment, macroinvertebrate community data, and streambed sediment quality		1994-present	1998	http://oh.water.usgs.gov/nawqa/
		Environment Canada	Biodiversity Portrait of the St. Lawrence River	Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Classification of wetlands types, precentage of wetland loss (1945-1978) in 10 km-wide coastal strip	St. Lawrence River, Canada	2000-2003		http://www.qc.ec.gc.ca/faune/biodiv/en/ table_contents.html
S		USGS - Great Lakes Science Center	Lake Erie Near Shore	Contains general ecological data, including larval & juvenile fish, benthic invertebrates, zooplankton, and limnologival parameters using three different sampling designs.	Lake Erie	2000-2002	?	Scott Nelson scott_nelson@usgs.gov (734) 214-7243
h o r e I	Nearshore - Baymouth	USGS - Great Lakes Science Center	Great Lakes Aquatic Gap Analysis Project	To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.qlsc.usgs.gov/GLGAP.htm
n e	·	Environment Canada	Great Lakes Environmental Sensitivity Atlas and Database	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.	U.S. and Canada Great Lakes shorelinees	1991-1994		http://www.on.ec.gc.ca/emergency/envi ro-sensitivity-atlas/intro-e.html

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	LACCIFICATION	AGENCY OF	DATA SET/	PURPOSE/	GEOGRAPHICAL	TIME	LAST	ACCESS TO DATA/INFO
C	LASSIFICATION	COLLECTION	INFORMATION BASE	DESCRIPTION	DOMAIN	PERIOD	UPDATED	(OR KEY CONTACT)
		NOAA - GLERL	Temporal and Spatial Distributions of Microcystis blooms in Saginaw Bay and Lake Erie	Water samples were collected on Saginaw Bay during Microcystis bloom for ground truth in the development of a satellite derived Microcystis map product.	Saginaw Bay, Lake Huron	1999	N/A	George Leshkevich george.leshkevich@noaa.gov
		NOAA	Environmental Sensitivity Index	Environmental Sensitivity Index (ESI) systematically compiles information in standard formats for coastal shoreline sensitivity, biological resources, and humanuse resources. ESI maps are useful for identifying sensitive resources before a spill occurs so that protection priorities can be established and cleanup strategies designed in advance.	United States coastal areas	1995-future	continuous	http://response.restoration.noaa.gov/es i/esiintro.html
		MSU, Dept of Fisheries and Wildlife	Increased Abundance and Depth of Submersed Macrophytes in Response to Decreased Turbidity	, ,	Saginaw Bay, Lake Huron	1991-1993	N/A	http://jglr.org/1995/num4/21 4 476- 488.pdf
			Occurrence of Macrophytes in the Near Shore Waters	Macrophyte biomass at selected sites. Summer turbidity levels.	Lake Ontario	1986 (June to October)	N/A	http://jglr.org/1988/num4/14 4 405- 410.pdf
S h o r e l i n e		Biological Sciences Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.o rg/aboutUs/partners.jsp)		sites. Summer turbidity levels. Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi- jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.	International, National, and State Information	October) 1974-2003	continuous	410.pdf http://www.natureserve.org/getData/index.jsp
		The Nature Conservancy: Freshwater Initiative		III., IM, MI, OH, FA, alld NT. a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	1997 - present	N/A	http://www.freshwaters.org/eswm/iha/

CLASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
	USGS - Great Lakes Science Center	Analysis Project	To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.glsc.usgs.gov/GLGAP.htm

С	LASSIFICATION	AGENCY OF	DATA SET/ INFORMATION	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		US FWS - Marquette Biological Station	BASE Sealine Patrol Program	?	?	?	?	Jearl Klar
		OH DNR - Division of Geological Survey	Spatial Patterns Emphasize the Importance of Coastal Zones as Nursery Areas for Larval Walleye in Western Lake Erie	?	Western Lake Erie	? - 2000	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
		Environment Canada - U.S. Army Corps of Engineers	Lake Erie and Ontario Shoreline Data	To provide more accureate shoreline maps with greater detail in terms of ownership and economic value.	Lake Erie & Lake Ontario	? - 2000	N/A	http://www.cjscons.com/LGLES/Presen tations/buffalo%20workshop/
	Near Shore - Daymouth	Water Systems Analysts; University of Western Ontario - Dept of Biology; Ontario Ministry of Environment & Energy	in Nearshore Benthic Community	Nearshore benthic communities surveyed at 5 and 20 m, on the Canadian side of Lake Ontario	Canadian side of Lake Ontario	1981, 1991	N/A	http://jglr.org/2000/num3/26 3 272- 286.pdf
	Oi Er U. Er Oi	Environment Canada - U.S. Army Corps of Engineers	Lake Erie and Ontario Shoreline Data	To provide more accureate shoreline maps with greater detail in terms of ownership and economic value.	Lake Erie & Lake Ontario	? - 2000	N/A	http://www.cjscons.com/LGLES/Presen tations/buffalo%20workshop/
		Ohio DNR	Nearshore Habitat Dynamics	Tracking substrate changes	Lake Erie & Lake Michigan	1999-2000	2000	Scudder Mackey sdmackey@glph.org Jonathan Fuller karen.harold@dnr.state.oh.us
S h o r		Environment Canada	Great Lakes Environmental Sensitivity Atlas and Database	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.	U.S. and Canada Great Lakes shorelinees	1991-1994		http://www.on.ec.gc.ca/emergency/enviro-sensitivity-atlas/intro-e.html
e I i n e	Islands	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI,			continuous	http://www.natureserve.org/getData/index.jsp
		Great Lakes Basin Ecosystem Team	Barrier Island Beaches	GIS Decision Support System for Lake Michigan expanded to basin for Island habitat	Lake Michigan	?	<i>(</i>	Chris Costigleon & Leslie Teawinkle http://greatlakes.fws.gov/gli.htm

				labitat Data and Informati	· · ·			
C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Northeast Midwest Institute	U.S Canada Great Lakes Islands Project	To serve as 1) a catalyst to start a basin-wide "conversation" about the islands and conservation of biological diversity and 2) a central base or focal point for activities, data, and information about the islands.	U.S. and Canadian Islands in the Great Lakes	1995-?	2003	Karen E. Vigmostad; kvigmostad@nemw.org; http://www.nemw.org/islands/execsum mary2003.pdf
o h		Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)	NatureServe website Great Lakes Environmental	Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multipurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, III. IM. MI. DIA DA and NY. Developed to prepare and respond		1974-2003 1991-1994	continuous	http://www.natureserve.org/getData/incex.isp http://www.on.ec.gc.ca/emergency/env/
o r e I i n	Bluff	Environment Ganada	Sensitivity Atlas and Database	to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.		1331-1334		ro-sensitivity-atlas/intro-e.html
е	Environment Canada - Water Issues Division		International Lake Ontario - St. Lawrence River Study (LOSL)	To consider, develop, evaluate and recommend updates and changes to the 1956 criteria for Lake Ontario St. Lawrence River water levels and flow regulation, taking into account how water level fluctuations affect all interests and changing conditions in the system including climate change, all within the terms of the Boundary Waters	Lawrence River	1999-2004	Nov. 2002	http://www.losl.org/about/about-e.html
		Water Issues Division	Canadian Great Lakes Shorline Classification	This database was developed to classify and map the Great Lakes-St. Lawrence shoreline using a three-tiered classification. The classification scheme was designed to emphasize features that could be related to the resistance of the shoreline to erosion and the proportion of the shoreline covered by shore	Canadian Great Lakes Shoreline	1992	Jun-05	http://www.on.ec.gc.ca/water/greatlake s/metadata/great-lakes-shore- class/intro.html
		MI Coastal Management Program		?	?	?	?	http://www.michigan.gov/deq/0,1607,7- 135-3313 3677 3700-10860,00.html

			DATA SET/					
С	LASSIFICATION	AGENCY OF	INFORMATION	PURPOSE/	GEOGRAPHICAL	TIME	LAST	ACCESS TO DATA/INFO
		COLLECTION	BASE	DESCRIPTION	DOMAIN	PERIOD	UPDATED	(OR KEY CONTACT)
		OH DNR - Division of Geological Survey & USGS	Lake Erie Coastal Erosion Study	To identify the factors controlling the temporal and spatial variation in erosion rates along the Ohio shoreline to improve the predictive models of future shoreline recession. Improved measurement of historic shoreline recession and detailed observations of the geologic and physical factors controlling shoreline recession have been identified as critical needs. Geophysical investigations in the lake basin address transport pathways and identify potentially valuable sand and gravel resources which may be utilized in future shoreline-protection activities. A comprehensive digital database will aid in coastal-management decision making.		1990s-present	?	http://www.ohiodnr.com/geosurvey/lake erie/ces.htm Jonathan Fuller jonathan.fuller@dnr.state.oh.us
Shore I in e	Bluff	U.S. Army Corps of Engineers	Recession Rate Analysis (RRA) System	The RRA is a data query, mapping and visualization system that allows basic level analysis of a range of coastal zone data for the shorelines of the United States Great Lakes and St. Lawrence River. The system was initially developed for USACE Detroit District in 1997 as a data analysis tool for work on the Lake Michigan Potential Damages Study. It has since been modified through additional activities in the LMPDS as well as a series of data collection activities that have been conducted in the Lower Great Lakes Erosion Study for USACE Buffalo District		1997-present	continuous	http://www.cjscons.com/LGLES/Downloads/RRA.doc
		U.S. Army Corps of Engineers - Buffalo District	Lower Great Lakes Erosion Study (LGLES)	The goal of this study is to develop tools for the assessment of local and regional impacts associated with coastal projects. These tools will be applied to assist a wide range of USACE activities on the St. Lawrence River, Lake Ontario, the Niagara River and Lake Erie		1997-present	continuous	http://www.cjscons.com/LGLES/index.h
		U.S. Army Corps of Engineers - Detroit District	Lake Michigan Potential Damages Study (LMPDS)	An extensive and long-term assessment of potential shoreline damages over the next 50 years due to fluctuating lake levels along the Lake Michigan shoreline. The study, started in October 1996, is dedicated to meeting several of the recommendations that came out of the 1986-1993 International Joint Commission (IJC) Great Lakes Levels Reference Study.		1995-present	continuous	http://www.lre.usace.army.mil/index.cf m?chn_id=1134
		Environment Canada - U.S. Army Corps of Engineers	Lake Erie and Ontario Shoreline Data	To provide more accureate shoreline maps with greater detail in terms of ownership and economic value.	Lake Erie & Lake Ontario	? - 2000	N/A	http://www.cjscons.com/LGLES/Presentations/buffalo%20workshop/

C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Environment Canada	Great Lakes Environmental Sensitivity Atlas and Database	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.		1991-1994		http://www.on.ec.gc.ca/emergency/enviro-sensitivity-attas/intro-e.html
% h o r e l i	Sandy Beach	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.o rg/aboutUs/partners.jsp)	NatureServe website	Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multipurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, II. N. MI, OH, PA, and NY.	International, National, and State Information	1974-2003	continuous	http://www.natureserve.org/getData/index.jsp
n e s		US EPA - Great Lakes Program (Chicago) U.S. Army Corps of Engineers	Great Lakes Ecoregional Program Recession Rate Analysis (RRA) System	The RRA is a data query, mapping and visualization system that allows basic level analysis of a range of coastal zone data for the shorelines of the United States Great Lakes and St. Lawrence River. The system was initially developed for USACE Detroit District in 1997 as a data analysis tool for work on the Lake Michigan Potential Damages Study. It has since been modified through additional activities in the LMPDS as well as a series of data collection activities that have been conducted in the Lower Great Lakes Erosion Study for USACE Buffalo District.		1997-present	?	Keith Harrison http://www.cjscons.com/LGLES/Downloads/RRA.doc
	E	U.S. Army Corps of Engineers - Buffalo District	Lower Great Lakes Erosion Study (LGLES)	The goal of this study is to develop tools for the assessment of local and regional impacts associated with coastal projects. These tools will be applied to assist a wide range of USACE activities on the St. Lawrence River, Lake Ontario, the Niagara River and Lake Erie	Lake Ontario & Lake Erie	1997-present	continuous	http://www.cjscons.com/LGLES/index.h tml

Cl	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
	Sandy Beach	U.S. Army Corps of Engineers - Detroit District	Lake Michigan Potential Damages Study (LMPDS)	An extensive and long-term assessment of potential shoreline damages over the next 50 years due to fluctuating lake levels along the Lake Michigan shoreline. The study, started in October 1996, is dedicated to meeting several of the recommendations that came out of the 1986-1993 International Joint Commission (IJC) Great Lakes Levels Reference Study.	Lake Michigan	1995-present	continuous	http://www.lre.usace.army.mil/index.cf m?chn_id=1134
	Dunes	The Nature Conservancy - Canada	Threats of on & offshore sand dunes	?	?	?	?	Wasyl Bakowsky
Shorelines		Environment Canada	Great Lakes Environmental Sensitivity Atlas and Database NatureServe website	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact. Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.	Lakes shorelinees International, National, and State Information	1991-1994	continuous	http://www.on.ec.gc.ca/emergency/env/ro-sensitivity-atlas/intro-e.html http://www.natureserve.org/getData/index.isp

CI	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
٠		Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multijurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.	International, National, and State Information	1974-2003	continuous	http://www.natureserve.org/getData/index.isp
Shore!	Coastal Wetlands	Environment Canada	Sensitivity Atlas and Database	Developed to prepare and respond	U.S. and Canada Great Lakes shorelinees	1991-1994		http://www.on.ec.gc.ca/emergency/enviro-sensitivity-atlas/intro-e.html
n e s		U.S. EPA	Risk	Species data collected through state-agency based Natural Heritage Network and The Nature Conservancy are maped out on a nationwide map	United States	1996		http://www.epa.gov/iwi/1999april/iii8_us map.html
		Water Systems Analysts; University of Western Ontario - Dept of Biology; Ontario Ministry of Environment & Energy	in Nearshore Benthic	Nearshore benthic communities surveyed at 5 and 20 m, on the Canadian side of Lake Ontario	Canadian side of Lake Ontario	1981, 1991	N/A	http://jglr.org/2000/num3/26 3 272- 286.pdf
		NOAA - GLERL	·	Continuing project that monitors trends in benthic macroinvertebrate populations in southern Lake Michigan. Samples collected at 40 sites in the southern basin.		1980-1981, 1986-1987, 1992-1993, 1998-1999, 2000, 2002?	2002?	Tom Nelepa thomas.nalepa@noaa.gov
								http://www.glerl.noaa.gov/res/Task_rpt s/cmnalepa13-2.html
		at Brockport	Species Composition	Phytoplankton and zooplankton collected at off-shore sites of Lake Michigan	Lake Michigan		N/A	http://iglr.org/1998/num3/24 3 637- 657.pdf
		Michigan Natural Features Inventory	Associations between Great Lakes Nearshore Communities and Habitats Influenced by Varied Levels of Shoreline Development	Compares different shorelines to assess the impacts on nearshore habitats.	Lake Erie & Lake Michigan	N/A	N/A	Stephanie Carman carmans@michigan.gov

CL	ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/veg1800.cfm
		Michigan Natural Features Inventory	Watershed Element Data	This is a listing of all known occurrences of threatened, endangered, and special concern species and high quality natural communities occurring within a watershed. The species and community information is derived from the MNFI database. The watersheds are based on the 14 digit Hydraulic Unit Codes (HUC).	Michigan	NA	UPDATED	http://web4.msue.msu.edu/mnfi/data/in dex.cfm
		Michigan Natural Features Inventory	Vegetation of the Great Lakes Coastal Marshes and Wetlands of MN, WI, OH, PA, and NY.	Inventory of plants in the Great Lakes coastal wetlands and marshes.	MN, WI, OH, PA & NY	1997	N/A	http://web4.msue.msu.edu/mnfi/pub/publications.cfm
		Michigan Natural Features Inventory	Great Lakes Coastal Wetlands: An Overview of Controlling Abiotic Factors, Regional Distribution, and Species Composition	Overview of controlling abiotic factors in coastal wetlands.	Great Lakes Coasts	1997	In 1995 continuous N/A N/A N/A 2000	http://web4.msue.msu.edu/mnfi/pub/publications.cfm
S h o		Michigan Natural Features Inventory	Michigan's Great Lakes Coastal Wetlands, Part 1: An Overview of Abiotic Variability	Report to EPA Great Lakes National Program	Michigan	1996	N/A	http://web4.msue.msu.edu/mnfi/pub/publications.cfm
e I i	Coastal Wetlands	Bird Studies Canada, EC Canadian Wildlife Service, U.S. EPA's Great Lakes National Program Office	Marsh Monitoring Program	Monitoring populations of marsh birds (53 species) and amphibians (13 species) over time on a varity of spatial scales through survey efforts of volunteers	Great Lakes states and Ontario	1995-present		http://www.bsc- eoc.org/mmpreport.html
e s		U.S. Fish & Wildlife Service	National Wetland Inventory	The National Wetlands Inventory (NWI) of the U.S. Fish & Wildlife Service produces information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. U.S. Congress, and the private sector. The NWIC has mapped 90 percent of the lower 48 states, and 34 percent of Alaska. About 44 percent of the lower 48 states, and 13 percent of Alaska are digitized.		1982-present	2000	http://wetlands.fws.gov/index.html
		USGS - Great Lakes Science Center	Effects of Water-Level Fluctuations on Wetlands of the Great Lakes	Water-level fluctuations in the Great Lakes are of concern for a number of reasons, including the potential effects they may have on coastal developments, shipping, recreation, hydropower, and natura resources. Most previous attempts to address the effects of fluctuations on wetland resources used aerial photograph interpretation as the major assessment tool. As a result, conclusions were sometimes drawr suggesting that high water levels		1988-2000	N/A	http://www.glsc.usgs.gov/science/wetlands/WilcoxWeb.htm

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CL	ASSIFICATION	AGENCY OF	INFORMATION	PURPOSE/	GEOGRAPHICAL	TIME	LAST	ACCESS TO DATA/INFO
		COLLECTION	BASE	DESCRIPTION	DOMAIN	PERIOD	UPDATED	(OR KEY CONTACT)
		USGS - Great Lakes Science Center	Great Lakes Aquatic Gap Analysis Project	To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.glsc.usgs.gov/GLGAP.htm
		Environment Canada	Lake Ontario St. Lawrence	?	?	?	?	Rob Read
		Great Lakes Commission		To design an implementable, long- term program to monitor Great Lakes coastal wetlands. This is being accomplished through the development of indicators to assess the condition of Great Lakes coastal wetlands.	All Great Lakes	2000-present	continuous	http://www.glc.org/wetlands/
		Ontario MNR	Protected Wetlands	GIS Layer	?	?	?	Wasyl Bakowsky
Sh		The University of Florida	APRIS Online - Aquatic, Wetland and Invasive Plant	The database includes annotated citations for more than 60,000 research articles, books and reports about plant ecology, physiology, utilization and control. Items in many languages dating back to the 18th century are in this inclusive database.	USA	early 1980s - present		http://plants.ifas.ufl.edu/
o r e I i	Costal Wetlands	OH DNR - Division of Geological Survey	Wetlands of Modern and Ancestral Lakes Erie and St. Clair, Michigan, Ohio, Indiana, Pennsylvania, and New York, USA and Ontario, Canada.	?	Lakes Erie and St. Clair, Michigan, Ohio, Indiana, Pennsylvania, and New York, USA and Ontario, Canada	? - 1994	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
n e s		OH DNR - Division of Geological Survey	Spatial Patterns Emphasize the Importance of Coastal Zones as Nursery Areas for Larval Walleye in Western Lake Erie	?	Western Lake Erie	? - 2000	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
		Environment Canada - U.S. Army Corps of Engineers	Lake Erie and Ontario Shoreline Data	To provide more accureate shoreline maps with greater detail in terms of ownership and economic value.	Lake Erie & Lake Ontario	? - 2000	N/A	http://www.cjscons.com/LGLES/Presen tations/buffalo%20workshop/
		USGS - Great Lakes Science Center	Effects of Lake Ontario Water-Level Regulation on Wetlands	The goals of this study are to assist in development of a new, less environmentally damaging regulation plan for Lake Ontario by 1) collecting data on wetland plant community responses to past water level fluctuations and 2) developing models to predict future vegetation response to proposed regulation plans.		2000-present	continuous	http://www.glsc.usgs.gov/science/wetla nds/WilcoxWeb.htm
		University of Michigan Biological Station	Correlations between Development of Coastal Marsh Fish Communities in Les Cheneaux in the Easterr Upper Peninsula of Michigan	Looks at the impacts of human development on fish communities	Northern Lake Huron	N/A	N/A	Paul Webb pwebb@umich.edu

Cl	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		MDNR	Selected species and habitat information	Provides links to scientific information about species and ecosystems	Michigan	N/A	N/A	http://www.michigan.gov/dnr/0,1607,7- 153-10370_12145,00.html
_		USGS-UMESC		The mission of the Long Term	The Five Upper Mississippi River System states (Illinois, Iowa, Minnesota, Missouri, and Wisconsin).	1987-present	annually	http://www.umesc.usgs.gov/ltrmp.html
r i b u t		USGS - Great Lakes Science Center		To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.qlsc.usqs.gov/GLGAP.htm
r		Ontario MNR	Aquatic Habitat Inventory - Stream Assessment Manual	?	Ontario	? - 1982	N/A	Sharon Dobush sharon.dobush@mnr.gov.on.ca 705-825-3415
e s		The Nature Conservancy: Freshwater Initiative	Alterations	a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	,	N/A	http://www.freshwaters.org/eswm/iha/
		The Nature Conservancy: Freshwater Initiative	Hydrologic Alteration Within a River Network	This paper illustrates a technique for spatially mapping the degree of hydrolic alteration for river reaches at and between stream gauge sites	'''	IN/A	1998	http://www.freshwaters.org/docs/hydro alt.pdf

CLASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
Tribuut Riparian Zone arie ess	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)	NatureServe website	Provides links to scientific information about species and ecosystems The mission of the Long Term Resource Monitoring Program is to provide decision makers with the information needed to maintain the Upper Mississippi River System as a viable multiple-use large river ecosystem. The long-term goals of the Program are to understand the system, determine resource trends and impacts, develop management alternatives, manage information, and develop useful products. Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and information on most native and information and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multipirisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, II., IN, MI, OH, PA, and NY.	The Five Upper Mississippi River System states (Illinois, Iowa, Minnesota, Missouri, and Wisconsin).		nnually continuous	http://www.michigan.gov/dnr/0,1607,7-153-10370 12145,00.html http://www.umesc.usgs.gov/ltrmp.html http://www.natureserve.org/getData/indgx.jsp

					- Inventory			
CI	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)	NatureServe website	ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, II. IN MI OH PA and NY			http://www.natureserve.org/getData.ex.jsp http://www.epa.gov/iwi/1999april/iii8 map.html Mar-03 http://www.mnr.gov.on.ca/MNR/nhic http://www.on.ec.gc.ca/emergency/ero-sensitivity-atlas/intro-e.html http://www.gc.ec.gc.ca/faune/biodiv/table_contents.html	
L		U.S. EPA	Aquatic Wetlands Species at Risk		United States	1996		http://www.epa.gov/iwi/1999april/iii8 us map.html
w I a n d	Swales	Ontario MNR - Science and Information Branch (The Nature Conservancy of Canada, The Natural Heritage League, and The Nature Conservancy)	Center - Natural Areas Database	The Natural Areas Database contains locational and tabular information on certain natural areas in Ontario. The information in the Natural Areas Databases includes: UTM coordinates, vegetation information, significant species, description of the landform, and references to literature.	Ontario	1983 -2003	Mar-03	http://www.mnr.gov.on.ca/MNR/nhic/
		Environment Canada	Great Lakes Environmental Sensitivity Atlas and Database	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.		1991-1994		http://www.on.ec.gc.ca/emergency/env ro-sensitivity-atlas/intro-e.html
		Environment Canada	Biodiversity Portrait of the St. Lawrence River	Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Classification of wetlands types, precentage of wetland loss (1945-1978) in 10 km-wide coastal strip	Canada	2000-2003		http://www.gc.ec.gc.ca/faune/biodiv/en/ table_contents.html
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/ve g1800.cfm

С	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Michigan Natural Features Inventory	Watershed Element Data	This is a listing of all known occurrences of threatened, endangered, and special concern species and high quality natural communities occurring within a watershed. The species and community information is derived from the MNFI database. The watersheds are based on the 14 digit Hydraulic Unit Codes (HUC).	Michigan	NA	continuous	http://web4.msue.msu.edu/mnfi/data/in dex.cfm
п		Michigan Natural Features Inventory	Vegetation of the Great Lakes Coastal Marshes and Wetlands of MN, WI, OH, PA, and NY.	Inventory of plants in the Great Lakes coastal wetlands and marshes.	MN, WI, OH, PA & NY	1997	N/A	http://web4.msue.msu.edu/mnfi/pub/publications.cfm
ı	Swales	U.S. Fish & Wildlife Service	National Wetland Inventory	The National Wetlands Inventory (NWI) of the U.S. Fish & Wildlife Service produces information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. U.S. Congress, and the private sector. The NWIC has mapped 90 percent of the lower 48 states, and 34 percent of Alaska. About 44 percent of the lower 48 states, and 13 percent of Alaska are digitized.	USA	1982-present		http://wetlands.fws.gov/index.html
L o w l a		Ontario MNR USGS - Great Lakes Science Center	Protected Wetlands Great Lakes Aquatic Gap Analysis Project	GIS Layer To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		? 2003-future		Wasyl Bakowsky http://www.gisc.usgs.gov/GLGAP.htm
d d		OH DNR - Division of Geological Survey	Wetlands of Modern and Ancestral Lakes Erie and St. Clair, Michigan, Ohio, Indiana, Pennsylvania, and New York, USA and Ontario,	?	Lakes Erie and St. Clair, Michigan, Ohio, Indiana, Pennsylvania, and New York, USA and Ontario, Canada	? - 1994	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
	Prairie	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)	NatureServe website	Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI,	International, National, and State Information	1974-2003	continuous	http://www.natureserve.org/getData/index.isp

Cl	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/ve g1800.cfm
	Prairie	Michigan Natural Features Inventory		This is a listing of all known occurrences of threatened, endangered, and special concern species and high quality natural communities occurring within a watershed. The species and community information is derived from the MNFI database. The watersheds are based on the 14 digit Hydraulic Unit Codes (HUC).	Michigan	NA	continuous	http://web4.msue.msu.edu/mnfi/data/in dex.cfm
	C F C O O g a a s S	Ontario Ministry of Natura Resources	Prairie polygons	GIS Layers	?	?	?	Wasyl Bakowsky
L o w - a n d	Oak Savannah	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.			continuous	http://www.natureserve.org/getData/index.isp
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/ve g1800.cfm
		OMNR	Oak Savannah polygons	GIS layer	?	?	?	Wasyl Bakowsky
		Natural Heritage Program	Oak Savannah Recovery Plan	?	?	?	?	?
		US EPA - Great Lakes National Program Office	Oak Savannah Restoration	?	?	?	?	Karen Rodriguez

C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
L o w I a		Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, II., IN, MI, OH, PA, and NY.	International, National, and State Information	1974-2003	continuous	http://www.natureserve.org/getData/index.isp
n d		U.S. EPA	Aquatic Wetlands Species at Risk	Species data collected through state-agency based Natural Heritage Network and The Nature Conservancy are maped out on a nationwide map	United States	1996		http://www.epa.gov/iwi/19999sep/iv8_u smap.html
		Ontario MNR - Science and Information Branch (The Nature Conservancy of Canada, The Natural Heritage League, and The Nature Conservancy)		The Natural Areas Database contains locational and tabular information on certain natural areas in Ontario. The information in the Natural Areas Databases includes: UTM coordinates, vegetation information, significant species, description of the landform, and references to literature.	Ontario	1983 -2003	Mar-03	http://www.mnr.gov.on.ca/MNR/nhic/
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/ve g1800.cfm

CI	_ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Michigan Natural Features Inventory	Watershed Element Data	This is a listing of all known occurrences of threatened, endangered, and special concern species and high quality natural communities occurring within a watershed. The species and community information is derived from the MNFI database. The watersheds are based on the 14 digit Hydraulic Unit Codes (HUC).	Michigan	NA	continuous	http://web4.msue.msu.edu/mnfi/data/in dex.cfm
		Environment Canada		Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Classification of wetlands types, precentage of wetland loss (1945-1978) in 10 km-wide coastal strip	St. Lawrence River, Canada	2000-2003		http://www.qc.ec.qc.ca/faune/biodiv/en/ table_contents.html
		Bird Studies Canada, EC- Canadian Wildlife Service, U.S. EPA's Great Lakes National Program Office		Monitoring populations of marsh birs (53 species) and amphibians (13 species) over time on a varity o fspatial scales through survey efforts of volunteers	Great Lakes states and Ontario	1995-present	Continuous http://web4.rdex.cfm http://www.gtable_conter http://www.gtable_conter http://www.gtable_conter http://wetlan 2000 http://wetlan N/A http://www.gnds/WilcoxV 7 Wasyl Bakor N/A Jonathan Fujonathan.full	http://www.bsc- eoc.org/mmpreport.html
L o w l a n d		U.S. Fish & Wildlife Service		The National Wetlands Inventory (NWI) of the U.S. Fish & Wildlife Service produces information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. U.S. Congress, and the private sector. The NWIC has mapped 90 percent of the lower 48 states, and 34 percent of Alaska. About 44 percent of the lower 48 states, and 13 percent of Alaska are digitized.	USA	1982-present	2000	http://wetlands.fws.gov/index.html
	USGS - Great Lakes Science Center Effects of Water-Level Fluctuations on Wetlands of the Great Lakes Water-level fluctuations in the Great Lakes are of concern for a number of reasons, including the potential effects they may have on coastal developments, shipping, recreation, hydropower, and natural resources. Most previous attempts to address the effects of fluctuations on wetland resources used aerial photograph interpretation as the major assessment tool. As a result, conclusions were sometimes drawn suggesting that high water levels destroy wetland vegetation. Ontario Ministry of Natural Resources OH DNR - Division of Geological Survey Wetlands of Modern and Ancestral Lakes Erie and St. Clair, Michigan, Ohio, Indiana, Pennsylvania, and New York, USA and Ontario, New York, USA and Ontario,		1988-2000		http://www.glsc.usgs.gov/science/wetla nds/WilcoxWeb.htm			
		Resources OH DNR - Division of Geological Survey	Wetlands of Modern and Ancestral Lakes Erie and St.	GIS Layer	? Lakes Erie and St. Clair, Michigan, Ohio, Indiana,	? - 1994	? N/A	Wasyl Bakowsky Jonathan Fuller jonathan.fuller@dnr.state.oh.us
			Indiana, Pennsylvania, and New York, USA and Ontario,	Title to a function by a 1 to 1 to 1		1007	N/A	
		Michigan Natural Features Inventory	Vegetative Response in Michigan's Great Lakes Marshes to Great Lakes Water-Level Fluctuations	Effects of water-level fluctuations on marshes.	Michigan	1997	IN/A	http://web4.msue.msu.edu/mnfi/pub/pu blications.cfm

C	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)		Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multi-jurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.	International, National, and State Information	1974-2003		http://www.natureserve.org/getData/index.jsp
		Ontario MNR - Science and Information Branch (The Nature Conservancy of Canada, The Natural Heritage League, and The Nature Conservancy)		The Natural Areas Database contains locational and tabular information on certain natural areas in Ontario. The information in the Natural Areas Databases includes: UTM coordinates, vegetation information, significant species, description of the landform, and references to literature.	Ontario	1983 -2003	Mar-03	http://www.mnr.gov.on.ca/MNR/nhic/

		AGENCY OF	DATA SET/	PURPOSE/	GEOGRAPHICAL	TIME	LAST	ACCESS TO DATA/INFO
С	LASSIFICATION	COLLECTION	INFORMATION BASE	DESCRIPTION	DOMAIN	PERIOD	UPDATED	(OR KEY CONTACT)
	Ponds/Inland Lakes	The Nature Conservancy: Freshwater Initiative	Indicators of Hydrologic Alterations	a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	1997 - present	N/A	http://www.freshwaters.org/eswm/iha/
o W I a n		USGS - Great Lakes Science Center	Great Lakes Aquatic Gap Analysis Project	To evaluate the biological diversity of aquatic species and their habitats, and to identify gaps in the distribution and protection of these species and their habitats within the Great Lakes basin.		2003-future	continuous	http://www.glsc.usgs.gov/GLGAP.htm
d		The Nature Conservancy: Freshwater Initiative	Indicators of Hydrologic Alterations	a software package that allows hydrologists and ecologists to statistically characterize environmental regimes and to analyze changes in those characteristics over time. It is most commonly used to evaluate streamflow data, but the method and software will work on any type of daily hydrologic data, including river stages, ground water levels, or lake levels.	applicable anywhere	1997 - present	N/A	http://www.freshwaters.org/eswm/iha/
U p l a n d	Forest	Conservation organizations, federal government, international agencies, and private sector partners (http://www.natureserve.org/aboutUs/partners.jsp)	NatureServe website	Provides scientific information about species and terrestrial ecosystems. Includes description, distribution, status, and trend information on most native and introduced plant and animal species. Also includes classification and descriptions for upland and wetland ecosystems as well vegetation types included in the U.S. National Vegetation Classification. Contains links to methods documentation used by Natural Heritage programs. Specific contacts at NatureServe may provide access to multijurisdictional data on locations of rare species throughout the United States. Up to date occurrence data for species, as well as mapped locations of ecosystem, community, and natural areas are available through individual Natural Heritage programs in ON, MN, WI, IL, IN, MI, OH, PA, and NY.	International, National, and State Information	1974-2003	continuous	http://www.natureserve.org/getData/index.jsp

Cl	LASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
	Forest	Ontario MNR - Science and Information Branch (The Nature Conservancy of Canada, The Natural Heritage League, and The Nature Conservancy)	Natural Heritage Information Center - Natural Areas Database	The Natural Areas Database contains locational and tabular information on certain natural areas in Ontario. The information in the Natural Areas Databases includes: UTM coordinates, vegetation information, significant species, description of the landform, and references to literature.	Ontario	1983 -2003	Mar-03	http://www.mnr.gov.on.ca/MNR/nhic/
ı		Natural Resources Research Institute, University of Minnesota (funded by U.S. EPA and MN DNR)	Lake Superior Decision Support System Data Sets	Collection of GIS applications and databases, including forest types and land cover	Lake Superior basin		18-Jan-02	http://oden.nrri.umn.edu/lsgis/database s.htm
		Michigan Natural Features Inventory - Ecology Program	GIS database	Vegetation of Michigan circa 1800; a detailed interpretation of public land survey data on 1:24,000 topography plus ancillary data; mmu ~ 40 acres; for use in status and trend assessment	Michigan	1815-1840	1995	http://web4.msue.msu.edu/mnfi/data/ve g1800.cfm
U p l a		Michigan Natural Features Inventory		This is a listing of all known occurrences of threatened, endangered, and special concern species and high quality natural communities occurring within a watershed. The species and community information is derived from the MNFI database. The watersheds are based on the 14 digit Hydraulic Unit Codes (HUC).	Michigan	NA	continuous	http://web4.msue.msu.edu/mnfi/data/in dex.cfm
n d		USDA Forest Service		This database contains synoptic descriptions, taken from current English-language literature of almost 900 plant species, about 100 animal species, and 16 Kuchler plant communities found on the North American continent. The emphasis of each synopsis is fire and how it affects each species. Background information on taxonomy, distribution, basic biology and ecology of each species is also included.	USA	? - Present	Constantly Updated	http://www.fs.fed.us/database/feis/inde x.html
		USDA Forest Service	Forest Inventory		USA	? - Present	continuous	http://fia.fs.fed.us/dbrs_setup.htm
		Ontario Ministry of Natural Resources		The Forest Resource Inventory (FRI) is an extensive survey of the forest resources of Ontario. The FRI was designed as a large-scale survey that would allow general characterization of the forest in terms of species, forest conditions and regeneration. It is based on aerial photo interpretation, as well as some field surveys.	Ontario	1946-present	continuous	http://ontariosforests.mnr.gov.on.ca/inv entoryoverview.cfm

CL	ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
	Agriculture	Natural Resources Research Institute, Univerisity of Minnesota (funded by U.S. EPA and MN DNR)	Lake Superior Decision Support System Data Sets	Collection of GIS applications and databases, including forest types and land cover	Lake Superior basin		18-Jan-02	http://oden.nrri.umn.edu/lsgis/database s.htm
ı		Environment Canada		Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Agriculture assessments were made using Landsat-TM data.	St. Lawrence River, Canada	2000-2003		http://www.gc.ec.gc.ca/faune/biodiv/en/ table_contents.html
		American Farmland Trust	of Development	Uses the tool of compelling maps to lay out the threats and gives reasoned solutions-so communities, legislators and individuals can clearly see what needs to be done to protect the country's best farmland.	USA	1980-present	N/A	http://www.farmland.org/farmingonthee dge/about.htm
A I t e r	Urban/Industrial	Environment Canada		Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Urban habitat assessment from satellite imagery.	St. Lawrence River, Canada	2000-2003		http://www.gc.ec.gc.ca/faune/biodiv/en/ table_contents.html
d		NatureServe	Growth Projection & Prediction of Saginaw Bay Watershed	?	?	?	?	Pat Comer
H a b i t a t s		NRCS American Farmland Trust	Natural Resource Inventory (NRI) Farming on the Edge: High	NRI is a statistical survey of land use and natural resource conditions and trends on U.S. non-Federal lands. Non-Federal land includes privately owned land, tribal and trust land, and lands controlled by State and local governments. The NRI is conducted by the Natural Resources Conservation Service in cooperation with lowa State University's Center for Survey Statistics and Methodology. The NRI program serves as the Federal Government's principal source of information on the status, condition and trends of soil, water, and related resources in the United States. Uses the tool of compelling maps to lay out the threats and gives		1997-present	continuous N/A	http://www.nrcs.usda.qov/technical/nri/ http://www.farmland.org/farmingontheedge/about.htm
		_	·	reasoned solutions-so communities, legislators and individuals can clearly see what needs to be done to protect the country's best farmland.				
		NatureServe	Growth Projection & Prediction of Saginaw Bay Watershed	?	<u> </u> ?	?	?	Pat Comer

CI	_ASSIFICATION	AGENCY OF COLLECTION	DATA SET/ INFORMATION BASE	PURPOSE/ DESCRIPTION	GEOGRAPHICAL DOMAIN	TIME PERIOD	LAST UPDATED	ACCESS TO DATA/INFO (OR KEY CONTACT)
		Environment Canada	Sensitivity Atlas and Database	Developed to prepare and respond to spills of oil and other hazardous materials in the Great Lakes. Presents geomorphological, biological, cultural, human-use information. Ranks shoreline habitats to indicate their relative sensitivites to oil impact.	U.S. and Canada Great Lakes shorelines	1991-1994		http://www.on.ec.gc.ca/emergency/enviro-sensitivity-atlas/intro-e.html
A		Environment Canada		Consolidation of scientific information and data on the physical and biotic characterestics of the region from the past 3 years. Shoreline modifications assessments were made using Landsat-TM data.	St. Lawrence River, Canada	2000-2003		http://www.gc.ec.gc.ca/faune/biodiv/en/table_contents.html
t		Environment Canada	Shorline Armoring	?	?	?	?	Rob Read
e r	Hardened/Artificial Shoreline	OH DNR	Shorline Armoring	?	Lake Erie	1997-2000	?	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
e d		OH DNR	Historic Shoreline Armoring	?	Lake Erie	?	?	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
u		American River Heritage Program	Workshop on Armoring, bibliography and data	?	?	?	?	John Heartache
H a b		OH DNR - Division of Geological Survey	Coastal Response to Breakwater Construction at Geneva State Park, Northeast, Ohio	?	Lake Erie coast	? - 1994	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
t a t		Environment Canada - U.S. Army Corps of Engineers	Lake Erie and Ontario Shoreline Data	To provide more accureate shoreline maps with greater detail in terms of ownership and economic value.	Lake Erie & Lake Ontario	? - 2000	N/A	http://www.cjscons.com/LGLES/Presentations/buffalo%20workshop/
s		Ontario MNR	An Investigation of the Effects of Fish Habitat Modification in Batchewana Bay, Lake Superior (Projects 95-33 and 94-27)	?	Batchewana Bay, Lake Superior	? - 1996	N/A	Sharon Dobush sharon.dobush@mnr.gov.on.ca 705-825-3415
		OH DNR - Division of Geological Survey	Coastal Response to Breakwater Construction at Geneva State Park, Northeast, Ohio	?	Lake Erie coast	? - 1994	N/A	Jonathan Fuller jonathan.fuller@dnr.state.oh.us
		Michigan Natural Features Inventory	Associations between Great Lakes Nearshore Communities and Habitats Influenced by Varied Levels of Shoreline Development	Compares different shorelines to assess the impacts on nearshore habitats.	Lake Erie & Lake Michigan	N/A	N/A	Stephanie Carman carmans@michigan.gov